## A PLAGUE WHICH MAY COME TO THESE ISLANDS

SAN FRANCISCO, August 28.—An ants that works its way through walls, walks with ease on water, sides down there would be every reason to believe trom laying their eggs among the eggs of that it would within a tew years take complete postssion of the state, do away with fruit, especially oranges, render pale and siekening the brilliant flowers and make of this lovely country have a feeble initiation of itself wors it.

Bowers and make of this lovely country but a feeble imitation of itself, were it not for the fact that a young man working in a quiet, prosaic garden in East Oakland has solved the problem of its destruction.

This ant is from the tropics, but it has none of the easy going ways accredited to that clime. It is beyond all comparison the busiest little ant there ever was and would serve to point the favorite analogy, Moreover, it supports the analogy, which modern nature observers would discredit, by working with a definite purpose. As an empire builder humanity offers no there ever was and would serve to point the favorite analogy. Moreover, it sup-ports the analogy, which modern nature observers would discredit, by working with a definite purpose. As an em-pire builder humanity offers no parallel. It drives out all other ants before it and takes entire possession of the field. It increases at an un-believable rate—an ordinary garden producing perhaps 100,000,000 in a sum-mer. If left alone it will eat you out of house and home, and it is next to of house and home, and it is next to impossible to keep groceries out of its reach. As a house pest alone it is almost unconquerable.

The first scientist who made note or it discovered it in Argentina, but it is even more common in Brazil, and it is even more common in Brazil, and it is from that country that it migrated to America. It was met in this country for the first time on the wharves of New Orleans, having traveled from Rio Janeiro on coffee ships. That was in 1892, Nothing was done about it there until very recent-ly, and in seventeen years it has spread over 5000 square miles in Louisiana, completely destroying the orange trees stopping the large and flourishing

cut flower industry.

Somehow a colony was shipped in a bale of cotton from New Orleans to the plant of a cotton works at the foot of Twenty-second avenue in East Oak-land about eight years ago. They imme-diately migrated farther, according to their restless habit, and now they have established themselves in the whole section lying between Lake Merritt and Fruitvale, from the estuary to the hills. During the unmolested years they have also secured free trips to Alameda, San Francisco, Stockton, San Jose, Los Angeles, Ontario, River-side and other southern California

Until last summer California was ig norant of the menace. The communities affected had complained ineffectually of the bother of keeping away the ants, but it was not until J. C. Bradley, an entomologist connected with the University of California, gathered a few specimens and, not be ing able to classify them, sent the specimens to Prof. W. I. Wheeler of the American museum of natural history that the awful truth was known. Argentine ant! It sounds portentous,

Prof. C. W. Woodworth, of the college of agriculture, hearing the un-pleasant news lost no time. He made a trip to New Orleans to learn what had been done there and returned imnediately to establish an experiment station in the midst of the largest colony in California, that in East Oak-and. Last October he rented a house at 1133 East Twenty-second street, at the different street, and placed assistants in charge. Little, however, could be done in the fall, as

the ants were holing up for the winter. Last February L. H. Day, formerly entomologist for San Benito county, was placed in charge of the active work by Professor Woodworth and, after nonths spent in studying the life nabits and experimenting with poison, he has succeeded in reducing them to a ew per cent, of their former numbers wherever he has worked.

His remedy is simple, easy to use and not dangerous to children, animals, pirds or bees. He fills a sponge with yrup, places it in a small fruit jar, crews on the top, making a few holes n it with a nail, and sets the conrivance in the garden.

The ants, always in search of food, oon find it, and the word is passed to Il the ant colonies within several hun-ired feet. After they have fed off he sponge for several days and a hunome part of their nourishment from it e puts poison in the syrup. By this ime the lines of ants from the differnt nests are well established and they arry away the poison to their queens Within a few days the nests are filled with the dead.

Day had just come to the conclusion hat he had solved the problem, but had a few points yet to cover when I isited him at the experiment station! Being a scientist, he was not ready to nnounce his discoveries until he could ive out everything accurately, but he ranted me permission to print what

e had accomplished.

In the field in which he has been as work every garden and vacant lot in everal square miles is the roof of an normous ant house. The ants are verywhere. Their tiny burrows ex-end under every piece of ground. The magination is staggered at their numers in that limited territory. Their Their unity of gigantic proportions. And, a there are no fends existing between amilies, as is usual with ants, they irect their attention solely toward ork, which, from the human point of

Housewives keep all food on tables hich either stand in bowls of con-tantly changed water or suspended com the ceiling by wires wrapped crosene scaked cloth. Even then t ats make the dangerous crossene sonked cloth. Even then the dead ants. Within the next few days ats make the dangerous passage, he oldeed 200 jars on the block and ither on the backs of the dead who within three weeks from the beginning recede them of on the this dust that of the work 90 per cent. of the ants communisties on water within a few were killed. occumulates on water within a few were killed ours. A crumb dropped on the floor. Mr. Day is now experimenting with a

walks with ease on water, slides down a wire, strolls into the baby's month, eats klitens, protects all fruit lice and kills its enemies, destroys orchards, and, in time, renders life in a community not only profitless, but intolerable, has come to California with the intention of staying. And as it has stayed everywhere else it ever visited there would be every reason to believe that it would within

dormant eggs the queens were hatched. Many drones and workers also hatched Many drones and workers also hatched at that time, but no queens hatched later. The existing queens and the new ones then began to lay, the new ones beginning a month later than the others. All have been laying at the rate of forty eggs a day ever since May and will continue to do so all summer. As every orarden has several hundred thousand queens waiting at home below the surface for the workers to bring the food and care for the larvae, the rate of increase is seen to be almost beyond reckoning. To each be almost beyond reckoning. To each queen there is an average of two hun-

dred workers.
In their domestic economy the workers attend to the eggs at all stages, nursing the larvae and carrying them from hot to cold and wet to dry places as necessary. They also bring the food. When they become dissatisfied with their surroundings, which happens frequently, they move and colonize some where else.

Queens often get the wander fever, % Queens often get the wander fever, and, forsaking their followers, set out on adventures by themselves, picking up other followers, which, being retainers by caste, will follow one queen as readily as another. The new colony establishes itself across the street or in the next garden. In this way their work is thorough, and as they leave no erack unentered, they spread rapidly. The warmer the weather the harder the ants work, and in the middle of

the ants work, and in the middle of summer they frequently force people to close their houses and go to unaffected districts until the heat has passed.

Infants can never be left alone where there are Argentine ants, the prying little creatures lining up in rows about the child's mouth and distressing it with their bites.

There is really no effective way of There is really no effective way of keeping them from any place which attracts them exacut by solid constructions. tracts them except by solid construc-tion. Kerosene on water frequently acts merely as a convenient footing upon which they can pass. The surface of fresh water is almost a sufficient support and as soon as a slight 3 coating of dust collects they can skip 3 is the only effective barrier. Bands to of kerosene, crude oil, tar, oils of sassafras and citronella, tree tanglefoor, the safras and tree tanglefoor. zenoleum, naphthaline, coal tar disin-fectants, whale oil soap, sharp edges of tin and fur have all been used as barriers without success.

As the queen often lives a dozen years, each laying 6000 eggs a summer, the increase reaches the astounding figure of 600,000 per cent. annually. Ten years, Professor Woodworth believes, will be ample time for the ants to take possession of the whole state to take possession of the whole state. there is a chance.

Considering this awful possibility, the results obtained by Mr. Day are especially important. Studying the life history of the ants, he discovered two vulnerable points, one that the workers will carry poison home to the queens, and the other that the queens all hatch from the larvae which have laid undeveloped all winter. Later, he expects to find a way of destroying these brooding larvae during the winter, but at present he is confining his attention to perfecting his poisoning system.

This, as mentioned, has the distinct advantage of being easily conducted. Recently ten or more people a day have been at the experiment station to reseive instructions in handling it, and the result has already been the death of untold millions of ants. If the people in the affected district in East Oakland or in any other section make concerted effort, they can reduce the ants to 1 or 2 per cent, of what they are at present. It will take continuous action, but very little on the part of any one person.

Mr. Day's own experiments with one block will give point to this statement. When he first experimented with poison in syrup, he chose a double block in the district where the ants were thickest. There are thirty-two houses on it, with many fruit frees and large gardens, Things had reached a state where life on the block was almost intolerable. Absolutely all means to keep the ants out of the food had failed, thing that was not eaten at bedtime was gone in the morning. The fruit blos soms had been injured and the trees were so covered with aphis that the fruit had in no case progressed beyond the first stages. It was an extreme case. The ants could hardly have been Worse

First he placed one jar containing syrup in each yard, polsoning each with arsenic after four days. Two days later there was already a noticeable decrease and many ant nests were on investigation to be full



-Advertiser Photo.

CONGRESSIONAL LUAU PARTY AT FRANCIS GAY'S.

\*\*\*\*\*\*\*\*\*\*\*\* Rep. Candler. Kuhio. Rep. Padgett. Rep. Bartholdt.



-Advertiser Photo.

CONGRESSMEN AND OTHERS.



REPRESENTATIVE GOOD TAKING A SNAPSHOT. 

often the jars should be changed. Where there are fruit trees or houses to attract the ants in numbers jars forty feet apart will prob-ably be recommended by him, exchanging jars containing only syrup for jars containing arsenic or other poison yet to be decided upon every few days for several weeks, and, after that length of time, leaving exposed the poison jars until the ants have all sought winter quarters.

In a territory like East Oakland, if the recommendations are followed, instend of being overrun with the insects, the number can be kept down to a few per cent.—hardly more than the native ants. Wherever there are fruit trees this plan will undoubtedly be followed, so that the ultimate injury to the crops will be small and the val uable orange crop, which would other wise be wholly destroyed, will be saved.

The amount of arsenic or poison to use has not been fully deter mined as yet, but it will be so small that if a child succeeded in screwing off the top of the polson jar and sucking the sponge it would probably not be injured.

As long as one queen remains the the poison remedy.

ommend them to other kidney suf-There are several ways of discover- ferers." they have none they are Argentines; or will be mailed on receipt of price I all other ants have a disagreeable the Hollister Drug Co., Honolulu, whol smell when crushed. They are black, sale agents for the Hawsiian Islands. rarely above one eleventh of an inch take no substitute.

Scientists make certain of their identity by two characteristics which

formula giving the exact number of mouths, begin with two long "teeth," jars which should be used to the acre, followed, by three short, one long when the poison should be introduced three more short, one more long, three

short, two long and two short.

Louisiana did nothing to rid itself of the Argentine ant and has suffered the loss of millions. California has discovered a remedy, and it will do well to take heed of what happened in Louisiana.

Everybody in Honolulu is Eligible. Old people stooped with suffering, Middle age, courageously fighting, Youth protesting impatiently; Children, unable to explain; All in misery from their kidneys, Only a little backache first. Comes when you catch a cold. Or when you strain the back. Many complications follow. Urinary disorders, diabetes, Bright's

Doan's Kidney Pills cure backache. Cure every form of kidney ills.

B. T. White, Pearl City, Oahu, Honolulu, Hawaii, says: "I am ninety-two years of age and I suffered from back-Argentine ants will be with us, so ache and kidney disease for eight years, that there is little hope of absolutely annihilating them, but they can always be kept in control by the use of greatly benefited that I cheerfully recovered to the control by the use of greatly benefited that I cheerfully recovered to the control by the use of greatly benefited that I cheerfully recovered to the control by the use of greatly benefited that I cheerfully recovered to the control by the use of greatly benefited that I cheerfully recovered to the control of the contr

> or will be mailed on receipt of price by the Hollister Drug Co., Honolulu, whole the name, Boan's, and

Superintendent Marston Campbell is expected to arrive from Hawaii today, accompanied by the hydrographic caother ant has; the swelling of the accompanied by the hydrographic carwaist is long and potaled instead of perts. Mesers. Leighton and Mendenhoing almost a portion of the lower hall. The party has been doing hydrograd of the "teeth," which are really but Island for the past ten days, the rough edges of their-billike shant streets.

### Around the Police Station 3

Tai Loy a Heavyweight.

Tai Loy, a heavyweight Chinese, was brought up before Judge Andrade yesterday on the charge of having assaulted an officer of the law. It seems that Tai Loy objected to the prominence of Captain Punchu's profile on the street and told him about it.

The genial captain merely turned his head sideways and told Loy that, if he did not quit being personal, he would be removed.

Tai Loy, not only would not refrain from his remarks, but proceeded to punch Captain Punchu in the opu, The assailant is a heavyweight Chinaman with an arm that would make the average ham look like a duckling's foot, Captain Punchu doubled up and then

arrested Tai Loy.

When arraigned in court yesterday before Judge Andrade, Tai Loy was defended by Charlie Chillingworth, The big sportsman thought he had one over on Punohu when he asked in his sever est tones, hiding a smile at the same time, "Did Tai Loy hurt you when he struck you?" The answer came back suavely enough, "Yes, he hurt-my feelings.

Then Judge Andrade gave sentence He said, "Tai Loy, you are a bad one, but anybody who has the pluck to hit Captain Punchu in the opu is deserving of recognition. If you had not committed an offense I would recommend you for a medal from the So-ciety for the Prevention of Cruelty by Police Officers. Tai Loy, you are a brave man. I would not dare to hit Captain Punchu in the opu, if I did he would doubtless kill me. Therefore he would doubtless kill me. Therefore you are severely reprimanded but you I would advise that you get a job with the Police department. man of your marvelous courage is needed." Then Tai Loy departed knowingly only that he had been set

#### Ah Family in Pilikia.

A large quantity of Ahs were up in court yesterday morning on account of their gambling instincts having got the better of them. Their cases were postponed until next Saturday morning. All of them are out on ball amounting to ten rosy iron men.

Yesterday Joe Leal went out and took in the rest of the Ah family. There was Ah Lum, Ah Leong, Ah Lung, Ah Lai, Ah You, Ah Yoek, Ah Wa, Ah How, Ah Chong, Ah See, Ah Tuch and a bunch of other Ahs on a list so long than the contract. could not take them down in less than ed exercise,

The whole gang was bundled into jail but word was sent out for bail,

# VETERAN GIPSÝ IS HERE TO PLAY

Early this morning, soon after sun up, the Maui polo ponies will be backed up from Moannina to Leilehua. Without exaggeration it may be said that this is the finest squad of ponies ever seen on this Island. There are new ones, veterans and intermediates that are just as good as anything here,

Amongst the bunch of twenty ponies that are here for the service of the Maui piayers there are several that are well known. There is Gipsy, the black mare that is said to be the headiest pony that ever played the game, David Fleming rides her and, when you have watched the two play the game, you wonder who knows more about it, David or Gipsy. The more is that much talked of but seldom seen wonder, a reinless pole pony.

Harold Rice's Queen will appear in her ninth polo season here. She is a buckskin mare and as reliable a pony as anybody could wish for. She loves the game and plays it for all she is worth, with head, with feet and with quick response to her rider's call.

#### Hawaii the Prettiest.

But perhaps the best looking pony that will be seen on the field is Frank Baldwin's Hawaii. A bay gelding bred on Kauai by Charlie Rice and broken to the game almost from his first year. Clean limbed, narrow shouldered, with a splendid poise of head, this little animal is one to draw the eye of a horseman anywhere.

horseman anywhere,
With a few "pis aller" exceptions,
the ponies that will be used by the
different players on the Maui team
are as follows:

Frank Baldwin-Hawaii, bay gelding; Koloa, grey mare; Beeswings, black mare; Forty-two, brown gelding. Harry Baldwin-Strawberry, roan mare; Prospect, roan gelding; General mare; Prospect, roan gelding; General Bumps (Ye Veteran), roan gelding, and a black mare from Kanai.

Harold Rice—Dandy, grey gelding; Reindeer, bay gelding; Wailele, chest-nut gelding; Niice, roan gelding; My-nah Bird, blue roan mare; Kolea, bay

nah Bird, blue roan mare; Kolea, bay gelding.
David Fleming—Gipsy, black mare; Manu, brown mare; Venus, bay mare, Clara H., bay mare.
Yesterday morning the Maui team went out to Moanalua and had a seratch practice. They all seemed in excellent form, men and ponies alike, and old man Confidence has a mortgage on the Maui team that could not be bought at a thousand per cent.

#### An Invitation Ball.

There will be an invitation pole ball at the Moana Hotel next Wednesday night after the Oabu-Maui game, The dance will commence at 9 o'clock and promises to be one of the swellest affairs brought off in Honolulu. All the monde with a big "M" will be there, not to mention his wife and pretty daughters. daughters.

daughters.

The Mani team does not look upon Saturday's game as anything very easy. They expect to win, they are confident that they will win but they realize they they are up against heady and courageous riders and mon who will play the game from start to finish. A victory for the White Knights might be a surprise but not so much of a one as people might think from the results of the recent games. One must remember that the Fifth Cavalry team made it awful hard for Oahu in one game at Leilehna and have been practising hard ever since. It is true that they have lost two of their players since the last game but the law of compensation says that no matter how compensation says that no matter how good a man goes away there is always just as good a one to take his place. Therefore we may expect to see the White Knights make it hard for the Maninese.

#### CHRONIC DIARRHOEA.

Many sufferers from chronic diarrhoen have obtained prompt relief by the use of Chamberlain's Colic, Cholera and Diarrhoea Remedy. Some of the worst cases of this disease have been permanently cured by it after other treatment and skilled physicians had failed. For sale by Benson, Smith & Co., agents for the Hawaiian Islands

Mrs. W. G. Ashley was a departing passenger on the Alameda yesterday. and called for the release of Ah You and Ah Wa. Each time that the rename. First it was Sun Mo Kee, then it was Cha Fa Chat but he kept doing his errands round town until all the gamblers had been liberated on bail. If any local collection agency wants a wise boy to work for it, the management should drop on this same fat pake youth, He is a wonder.

#### Straus Was Abusive.

Leon Straus had an advance of \$10 on a case paid to him and he proceeded to try and upset the distilleries. Yes-The Ah family is in pilikia again, terday afternoon he acted as an anchor to a telephone pole on the corner of Fort and Hotel and, when asked to move on by a policeman, he became scientifically abusive. wagon was called for and Leon went

#### Thirty Days for Bam,

Kolapa and Samuel Davey were both sent up for thirty days yesterday. They pleaded guilty to petit larceny and will have a chance to ponder on the best policy while doing efficient work on the roads and public parks. list so long that an ordinary reporter They both looked as though they need

#### He Could Not Buy the Brewery.

which was fixed at twenty-five Simo-leons. Then a very fat and very young Chinese boy began to get busy. He arrived in about fifteen minutes with that he represented Ah Lai and Ah How.

About fifteen minutes later he appeared with another \$50 in gold pieces and ship out of Honslulu.

A deepwater sailor named Fredrik-son started out to put the Primo beer factory on the bum. But he found that this attempt was a mere becomer-ang. The heer put him to the bad and he was sentenced to drive the water-wagon for thirteen months. In other words he was given a chance to get peared with another \$50 in gold pieces A deepwater sailor named Predrik-